

Border Disease Virus antibody test

BDV-Ab

Border Disease Virus (BDV) belongs to the family pestivirus and it is closely related to Bovine Diarrhoea Virus/Mucosal Disease Virus in cattle. BD has been reported from most sheep bearing countries. Serological surveys indicate that up to 20% of the sheep is seropositive in areas with endemic BD. In adult, non-pregnant sheep, the infection is usually sub-clinically and mild pyrexia and transient leukopenia can sometimes occur in the viremia part of the infection. Signs of BD infection can be an increase of barren ewes, aborting and birth of small, weak lambs, some with varying degree of tremor and some with coarse, hairy birth coats. The disease in lambs is also called the "hairy shakers disease". BD can cause abnormal long bones in the legs and other skeletal abnormalities. Animals infected in utero can be immunotolerant to BD and become persistent excretors of virus. Many of the infected lambs will die in the first few weeks. Surviving lambs with tremor, will gradually recover and the tremor usually disappears at about 20 weeks of age. Death can still occur depending on secondary infections. It has also been shown that death can depend on a mucosal disease-like manifestation of BD. Economical losses can be high due to these factors and herds should therefore be monitored for the presence of infection.

SVANOVIR® BDV-Ab ELISA is developed to detect Border Disease Virus specific antibodies (IgG₁) in ovine serum and milk samples.

Article No.:	10-8100-02
Kit format:	2- plate package size
No of tests:	96
No of samples:	88 (wells for kit controls excluded)

Application Area: Diagnostics

Screening/Confirmation

Characteristics: Indirect ELISA

Adapted for serum as well as milk samples

	Ovine	Caprine
Sensitivity	94,3 %	100 %
Specificity	93,7 %	100 %
Agreement	93,7 %	100 %